

NIAGARA FALLS ARS, NY UTILITY SYSTEM DESCRIPTIONS

General: The Niagara Falls ARS is located about 6 miles east of the City of Niagara Falls and 20 miles north of Buffalo, New York. The installation occupies roughly 985 acres on the northern part of the Niagara Falls International Airport in Niagara County New York. The 914th Airlift Wing of the Air Force Reserve is the host unit at Niagara Falls ARS. The 107th Air Refueling Wing of the New York Air National Guard is the largest tenant. The base has expanded several times over the years and currently has 107 buildings (industrial and commercial type buildings. The base has some Visiting Officer Quarters but no permanent on-base military family housing).

System Descriptions: The following information provided is only an estimate and is subject to change.

Potable Water: Potable water is supplied to the Niagara Falls ARS by the City of Niagara Falls, New York. Water is distributed throughout the base in approximately 48,300 lineal feet of cast iron, transite, and PVC water mains. Sizes range up to 10-inches in diameter. A pump station, located approximately one quarter mile south of the southeast corner of the base boosts pressure. The water system also includes approximately 88 fire hydrants. The Town of Wheatfield provides an emergency water source to the water system through a clay valve that releases if pressure in the Base system drops to an unacceptable level.

Sanitary Wastewater: Wastewater collected on the Niagara Falls ARS is discharged to the Niagara County Sewerage District No. 1 sewer system east of the Base. The Niagara Falls wastewater collection system includes approximately 36,600 lineal feet of pipe (ductile iron, reinforced concrete and PVC). Sizes range from 4-inch through 12-inch. The wastewater collection system is a combination of gravity flow and forced main and includes 3 pump stations.

Electrical: Power for the Niagara Falls ARS (914th Airlift Wing) and the 107th New York Air National Guard Refueling Wing is supplied by Niagara-Mohawk Power Corporation by two separate feeds. The 914th Airlift Wing is supplied by a 13.2 kV electrical line that enters the base on the north side. The 107th Air Refueling Wing is supplied by a 13.2 kV electrical supply line that enters the Air National Guard Base on the west side. Each Air Wing has its own electrical distribution system, but they are connected by a switch that is locked in the open position. The electrical distribution system for the 914th portion of the base consists of approximately 24,400 feet of new overhead primary line and 2200 feet of overhead secondary line. The electrical distribution system for the 107th portion of the base consists of approximately 5,100 lineal feet of underground primary line and 500 feet of underground secondary line. Pole mounted and pad mounted transformers of various sizes are used throughout the system. The electrical system supports approximately 130 outside area lights.

Natural Gas: Natural gas is provided to Niagara Falls ARS by National Fuel Gas Company at two locations. Natural gas for the 914th AW is fed by a line that enters on the north side of the base. Natural gas for the 107th ARW is fed from the west side of the base. Approximately 25,000 feet of steel and plastic pipe make up the gas distribution system for the 914th AW. Approximately 6,800 lineal feet of steel and plastic line make up the natural gas distribution system.

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